

PCR protocol

RBRC 01960

Strain name B6;129-Blm<tm1Jtak>

Primer	primer_name	primer_seq	length
1	tet-U2	ATCCACGCTGTTTTGACCTCCATAGAAGAC	30
2	BLM wt-L2	CTATGCATGGGACCCTATCCCAGACTCCAC	30
3	BLM wt-U3	GATGTAAATGTTAAAGCAATCTGTTGACAG	30

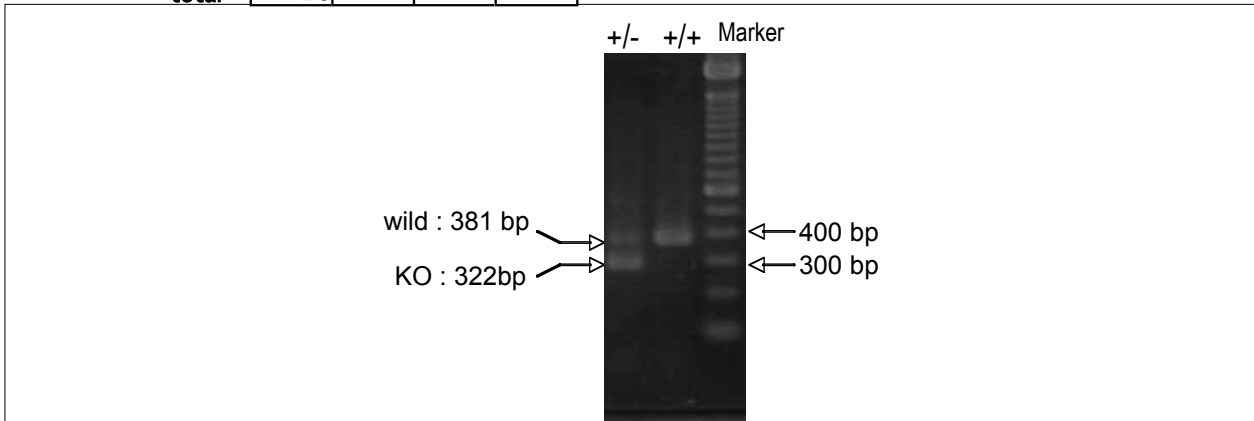
Reaction Components

Enzyme Roche Taq (Cat. No. BM1418432)

Reaction Conditions

Conc	Run 1	Run 2	Run 3	Run 4
H2O	15.3			
PCR buffer	2.5			
dNTP	2.0			
primer 1	1.0			
primer 2	2.0			
primer 3	1.0			
DNA	1.0			
Taq	0.2			
total	25			

step	temp (°C)	time (sec)	note
1	94	180	
2	94	30*	
3	60	30*	
4	72	60*	*repeat for 35 cycles
5	72	300	


Marker

 100 bp ladder (Invitrogen, Cat. 15628-050)
 Gel
 2% agarose in 1 X TAE (100 V, 35 min)

PCR products

primer_set	product_size	product
primer 2 / primer 3	381 bp	WT
primer 1 / primer 2	300 bp	KO

Comment